

Savina Technical Service Bulletin # 7

Re: Replacement of some internal TSI flow sensors

Date: March 21, 2002

Reference Doc: N/A

Reason: Alarm “Flow measurement failure !!!” may occur on some devices after a longer time of operation caused by drifting TSI flow sensors P/N 8413579. Affected sensors are labeled with the following serial numbers on the flow sensor housing (type – year / week – S/N produced on this date):

101 – 99 41 – 010 (week 41 in 1999)
through
101 – 01 10 – 014 (week 10 in 2001)

To avoid the alarm “Flow measurement failure !!!” replace all TSI flow sensors produced between week 41 in 1999 through week 10 in 2001 in affected devices. The TSI flow sensor can be replaced after removing the cover plate on the Savina back side.



Devices affected: Savinas with following serial numbers:

In the USA:

- ARPH-0029, -0031, -0032, -0036, -0037, -0039,
- ARPM-0041,
- ARRA-0032, -0033, -0034, -0035, -0036, -0038, -0039, -0040, -0041, -0043, -0045,
- ARRJ-0014, -0021, -0022,
- ARSA-0105.

In Canada:

- ARRA-0037, -0042, -0044, -0066, -0067, -0068, -0069.

- When:** During actions according to TSB Savina # 3, 4, and 5 or at next Service Call or Preventive Maintenance.
- Reporting:** Report modified Savinas with S/N of device and replaced TSI flow sensor to Mike Kelhart (kelhartm@draegermed.com) or Tony Achey (acheyt@draegermed.com).
- Additional Info 1:** Meaning of alarm “Flow measurement failure !!!”:
The measured and filtered value of exp. flow measurement is 20% greater than the value of the insp. flow measurement. Possible reasons:
- Insp. flow measurement (= TSI flow sensor) out of tolerance.
 - Exp. flow measurement out of tolerance.
 - The user has supplied an additional flow into the patient system.
- Additional Info 2:** Scrap replaced TSI flow sensors.
- Cost:** Free of charge
- Ordering Info:** Quantity for one Savina:
1 x TSI flow sensor P/N 8413579
- Distribution:** DrägerService Personnel and authorized Service Organizations for CCS products.

If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-721-5789.

Dräger Medical, Inc.
Technical Product Manager